



01-04-06

IFW

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/642,248

Filing Date

08/15/2003

First Named Inventor

Paul L. DeAngelis

Art Unit

1617

Examiner Name

Not Yet Assigned

Attorney Docket Number

35542.097

**ENCLOSURES (Check all that apply)**

- ☐ Fee Transmittal Form  
☐ Fee Attached  
☐ Amendment/Reply  
☐ After Final  
☐ Affidavits/declaration(s)  
☐ Extension of Time Request  
☐ Express Abandonment Request  
☒ Information Disclosure Statement  
☐ Certified Copy of Priority Document(s)  
☐ Reply to Missing Parts/  
Incomplete Application  
☐ Reply to Missing Parts  
under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)  
☐ Licensing-related Papers  
☐ Petition  
☐ Petition to Convert to a  
Provisional Application  
☐ Power of Attorney, Revocation of POA,  
Change of Correspondence Address  
☐ Terminal Disclaimer  
☐ Request for Refund  
☐ CD, Number of CD(s) \_\_\_\_\_  
☐ Landscape Table on CD

- ☐ After Allowance Communication to TC  
☐ Appeal Communication to Board  
of Appeals and Interferences  
☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)  
☐ Proprietary Information  
☐ Status Letter  
☒ Other Enclosure(s) (please identify  
below):

**Remarks**

1. Transmittal Form (1 page);
2. Information Disclosure Statement (3 pages);
3. Information Disclosure Statement by Applicant (formerly Form 1449) (3 pages);
4. Cited Material; and
5. Postcard.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	DUNLAP, CODDING & ROGERS, P.C.		
Signature			
Printed name	Kathryn L. Hester, Ph.D.		
Date	01/03/2006	Reg. No.	46,768

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: \*\*\* SENT BY EXPRESS MAIL NO. EV 718815053 US, DATED 01/03/2006\*\*\*

Signature			
Typed or printed name	Kathryn L. Hester, Ph.D.	Date	01/03/2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**EXPRESS MAIL NO.: EV 718815053 US**  
**DATE DEPOSITED: JANUARY 3, 2006**

**PATENT**



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Paul L. DeAngelis	)	Atty Dkt No: 35542.097
	)	
Serial No: 10/642,248	)	Examiner: Not Yet Assigned
	)	
Filed: August 15, 2003	)	Art Unit: 1617
	)	
Customer No.: 30589	)	Confirmation No.: 1560

For: TARGETED GLYCOSAMINOGLYCAN POLYMERS BY POLYMER GRAFTING  
AND METHODS OF MAKING AND USING SAME

Mail Stop - Amendment  
Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**FILED UNDER 37 CFR 1.97(e)(1)**

**List of Sections Forming Part of This**  
**Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Statement Under 37 CFR 1.97(e)(1)
2. ☒ Preliminary Statements
3. ☒ Form PTO Form PTO-1449

- 4. ☒ Copies Of Listed Information Items Accompanying This Statement
- 5. ☒ Identification of Person(s) Making This Supplemental Information Disclosure Statement

### **Section 1. Statement Under 37 CFR 1.97(e)(1)**

Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Supplemental Information Disclosure Statement.

### **Section 2. Preliminary Statements**

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

### **Section 3. Form PTO Form PTO-1449**

- ☒ A completed Form 1449 is attached hereto.
- ☐ No Form 1449 is attached.

**Section 4. Copies O Listed Information Items Accompanying This Statement**

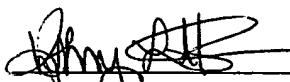
Legible copies of all items listed in Form 1449 accompany this information disclosure statement.

**Section 5. Identification Of Person(s) Making This Supplemental Information Disclosure Statement**

The person making this statement is the attorney/agent who signs below on the basis of the information:

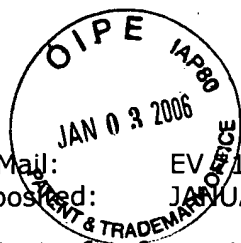
- ☐ supplied by the inventor(s)
- ☐ supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)).
- ☒ in the attorney/agent's file.

Respectfully submitted,



Kathryn L. Hester, Ph.D.  
Registration No. 46,768  
DUNLAP, CODDING & ROGERS, P.C.  
Customer No. 30589  
P.O. Box 16370  
Oklahoma City, Oklahoma 73113  
Telephone: (405) 607-8600  
Facsimile: (405) 607-8686  
E-Mail: kathryn\_hester@okpatents.com  
Website: www.okpatents.com

Agent for Applicants



Express Mail: EV 18815053 US  
Date Deposited: JANUARY 3, 2006

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known	
Application Number	10/642,248
Filing Date	08/15/2003
First Named Inventor	Paul L. DeAngelis
Group Art Unit	1617
Examiner Name	Not Yet Assigned
Attorney Docket Number	35542.097

### U. S. PATENT DOCUMENTS

EXAM INIT.	Cite No. 1	U.S. PATENT NUMBER Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

### FOREIGN PATENT DOCUMENTS

EXAM INIT.	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office 3	Number 4	Kind Code <sup>5</sup> (if known)				

**U.S. and Foreign:** <sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

EXAM INIT.		<h3 style="text-align: center;">NON-PATENT DOCUMENTS</h3> <p style="text-align: center;">Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p>	
		PAUL L. DeANGELIS, "Molecular Directionality of Polysaccharide Polymerization by the <i>Pasteurella multocida</i> Hyaluronan Synthase", J. Biological Chemistry, Vol. 274: 26557-26562 (1999)	
		C. HELDERMON, K. KUMARI, V. TLAPAK-SIMONS & P. WEIGEL, "Streptococcal hyaluronan synthase and the synthesis of 'designer' hyaluronan", Elsevier Science, 41-50 (2000)	
		W. JING & P. DeANGELIS, "Synchronized Chemoenzymatic Synthesis of Monodisperse Hyaluronan Polymers", J. Biological Chemistry, Vol. 279: 42345-42349 (2004)	
<b>Non Patent Documents:</b> <sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.			
Examiner Signature:		Date Considered:	
EXAMINER: Initial if citation considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant. **Place of Publication refers to name of publication in which the information was published.			

Suppl 1449.wpd